

DECLARATION FOR PATENT APPLICATION

Docket Number SPV-047.01

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES

the specification of which (check one)

☐ is attached hereto.

☒ was filed on December 4, 2001 as United States Application Number Number10/012,242, and was amended on Date _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

☐ Yes ☐ No

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.

<u>60/251,209</u> (Application Number)	<u>December 4, 2000</u> (Filing Date)
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<u>60/275,600</u> (Application Number)	<u>March 13, 2001</u> (Filing Date)
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

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Address all telephone calls to Dana M. Gordon, Ph.D., J.D. at telephone number (617) 832-1765.

Address all correspondence to: **Customer Id No: 25181**
Patent Group
Foley Hoag & Eliot LLP
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Boston, MA. 02109-2170

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Brian M. Aquila

Inventor's signature: [Signature]

Date: 1/28/02

Residence: 36 Royal Crest Drive #4, Marlborough, MA

Citizenship: U.S.

Post Office Address: same

☒ Additional inventors are being named separately numbered sheets attached hereto.

Full name of second joint inventor (given name, family name): Thomas D. Bannister

Inventor's signature: _____

Date: _____

Residence: 112 Green Street, Northborough, MA

Citizenship: U.S.

Post Office Address: _____

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: _____

Date: _____

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

Citizenship: U.S.

Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

Residence: 41 Lowell Road, Concord, MA

Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

Inventor's signature: _____

Date: _____

Residence: 20 Oriental Street, Worcester, MA 01605

Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

Inventor's signature: _____

Date: _____

Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752

Citizenship: U.S.

Post Office Address: same

Full name of seventh joint inventor (given name, family name): Donald W. Kessler

Inventor's signature: _____

Date: _____

Residence: 53 Throne Hill Road, Groton, MA 01450

Citizenship: U.S.

Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao

Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: _____

Residence: 13 Stillman Circle, Natick, MA 01760

Citizenship: People's Republic of China

Post Office Address: same

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Post Office Address: same

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Full name of second joint inventor (given name, family name): Thomas D. Bannister

Inventor's signature: Thomas D. Bannister

Date: January 24, 2002

Residence: 112 Green Street, Northborough, MA

Citizenship: U.S.

Post Office Address: same

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: _____

Date: _____

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

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Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

Residence: 41 Lowell Road, Concord, MA

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Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

Inventor's signature: _____

Date: _____

Residence: 20 Oriental Street, Worcester, MA 01605

Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

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Citizenship: U.S.

Post Office Address: same

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Date: _____

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Citizenship: U.S.

Post Office Address: same

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Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: _____

Residence: 13 Stillman Circle, Natick, MA 01760

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Inventor's signature: _____

Date: _____

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Citizenship: U.S.

Post Office Address: _____

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: Gregory D. Cuny

Date: JAN 25, 2002

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

Citizenship: U.S.

Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

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Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

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Full name of seventh joint inventor (given name, family name): Donald W. Kessler

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Full name of eighth joint inventor (given name, family name): Liming Shao

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Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

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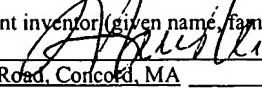
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(Application Number) (Filing Date) (Status: patented, pending, abandoned)

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Address all correspondence to: **Customer Id No: 25181**

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Foley Hoag & Eliot LLP
One Post Office Square
Boston, MA. 02109-2170

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Full name of sole or first inventor (given name, family name): Brian M. Aquila

Inventor's signature: _____

Date: _____

Residence: 36 Royal Crest Drive #4, Marlborough, MA

Citizenship: U.S.

Post Office Address: same

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Full name of second joint inventor (given name, family name): Thomas D. Bannister

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Date: _____

Residence: 112 Green Street, Northborough, MA

Citizenship: U.S.

Post Office Address: _____

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: _____

Date: _____

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

Citizenship: U.S.

Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

Residence: 41 Lowell Road, Concord, MA

Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): ^{michele}
Michelle L.R. Heffernan

Inventor's signature: michele Heffernan

Date: 1/30/02

Residence: 20 Oriental Street, Worcester, MA 01605

Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

Inventor's signature: _____

Date: _____

Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752

Citizenship: U.S.

Post Office Address: same

Full name of seventh joint inventor (given name, family name): Donald W. Kessler

Inventor's signature: _____

Date: _____

Residence: 53 Throne Hill Road, Groton, MA 01450

Citizenship: U.S.

Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao

Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: _____

Residence: 13 Stillman Circle, Natick, MA 01760

Citizenship: People's Republic of China

Post Office Address: same

DECLARATION FOR PATENT APPLICATION

Docket Number SPV-047.01

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the specification of which (check one)

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☐ Yes ☐ No

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_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
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Full name of fourth joint inventor (given name, family name): James R. Hauske
Inventor's signature: _____ Date: _____
Residence: 41 Lowell Road, Concord, MA Citizenship: U.S.
Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan
Inventor's signature: _____ Date: _____
Residence: 20 Oriental Street, Worcester, MA 01605 Citizenship: U.S.
Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann
Inventor's signature: Michael Z. Hoemann Date: 1/27/02
Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752 41 LILAC CIRCLE Citizenship: U.S.
Post Office Address: same MARLBOROUGH
MA 01752

Full name of seventh joint inventor (given name, family name): Donald W. Kessler
Inventor's signature: _____ Date: _____
Residence: 53 Throne Hill Road, Groton, MA 01450 Citizenship: U.S.
Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao
Inventor's signature: _____ Date: _____
Residence: 158 South Great Road, Lincoln, MA Citizenship: People's Republic of China
Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu
Inventor's signature: _____ Date: _____
Residence: 5 Aspen Road, Shrewsbury, MA 01565 Citizenship: People's Republic of China
Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie
Inventor's signature: _____ Date: _____
Residence: 13 Stillman Circle, Natick, MA 01760 Citizenship: People's Republic of China
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Docket Number SPV-047.01

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Date: _____

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Citizenship: U.S.

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Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

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Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

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Date: _____

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Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

Inventor's signature: _____

Date: _____

Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752

Citizenship: U.S.

Post Office Address: same

Full name of seventh joint inventor (given name, family name): Donald W. Kessler

Inventor's signature: Donald W. Kessler

Date: 1-25-02

Residence: 53 Throne Hill Road, Groton, MA 01450

Citizenship: U.S.

Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao

Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: _____

Residence: 13 Stillman Circle, Natick, MA 01760

Citizenship: People's Republic of China

Post Office Address: same

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Docket Number SPV-047.01

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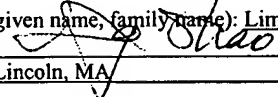
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I hereby appoint Beth E. Arnold, Reg. No. 35,430; Isabelle Clauss, Reg. No. 47,326; Stephen B. Deutsch, Reg. No. 46,663; William D. DeVaul Reg. No. 42,483; Daniel P. Gaudet, Reg. No. 48,584; Robert W. Gauthier, Reg. No. 35,153; Jason Gish, Reg. No. 42,581; Dana Gordon, Reg. No. 44,719; Robert A. Greenberg, Reg. No. 44,133; Jennifer K. Holmes, Reg. No. 46,778; David Hyams, Reg. No. P-50947; Scott E. Kamholz, Reg. No. 48,543; Theresa Kavanaugh, Reg. No. P-50356; David A. Lane, Reg. No. 39,261; W. Hugo Liepmann, Reg. No. 20,407; Jim Olesen, Reg. No. 46,967; Kevin A. Oliver, Reg. No. 42,049; Chinh H. Pham, Reg. No. 39,329; Jeffrey M. Sears, Reg. No. 48,440; Philip C. Swain, Reg. No. 32,376; Kingsley L. Taft, Reg. No. 43,946; John Quisel, Reg. No. 47,874; Anita Varma, Reg. No. 43,221; Sharon Webb, Reg. No. 47,172; John L. Welch, Reg. No. 28,129 and Jennifer Zarutskie, Reg. No. P-50558 as attorneys/agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Address all telephone calls to Dana M. Gordon, Ph.D., J.D. at telephone number (617) 832-1765.

Address all correspondence to: **Customer Id No: 25181**

Patent Group
Foley Hoag & Eliot LLP
One Post Office Square
Boston, MA. 02109-2170

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Brian M. Aquila

Inventor's signature: _____

Date: _____

Residence: 36 Royal Crest Drive #4, Marlborough, MA

Citizenship: U.S.

Post Office Address: same

☒ Additional inventors are being named separately numbered sheets attached hereto.

Full name of second joint inventor (given name, family name): Thomas D. Bannister

Inventor's signature: _____

Date: _____

Residence: 112 Green Street, Northborough, MA

Citizenship: U.S.

Post Office Address: _____

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: _____

Date: _____

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

Citizenship: U.S.

Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

Residence: 41 Lowell Road, Concord, MA

Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

Inventor's signature: _____

Date: _____

Residence: 20 Oriental Street, Worcester, MA 01605

Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

Inventor's signature: _____

Date: _____

Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752

Citizenship: U.S.

Post Office Address: same

Full name of seventh joint inventor (given name, family name): Donald W. Kessler

Inventor's signature: _____

Date: _____

Residence: 53 Throne Hill Road, Groton, MA 01450

Citizenship: U.S.

Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao

Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: Xinhe Wu

Date: January 28, 2002

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: _____

Residence: 13 Stillman Circle, Natick, MA 01760

Citizenship: People's Republic of China

Post Office Address: same

DECLARATION FOR PATENT APPLICATION

Docket Number SPV-047.01

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES

the specification of which (check one)

☐ is attached hereto.

☒ was filed on December 4, 2001 as United States Application Number Number10/012,242, and was amended on Date _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

☐ Yes ☐ No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States Provisional application(s) listed below.

60/251,209 December 4, 2000
(Application Number) (Filing Date)

60/275,600 March 13, 2001
(Application Number) (Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Number) (Filing Date) (Status: patented, pending, abandoned)

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Full name of sole or first inventor (given name, family name): Brian M. Aquila

Inventor's signature: _____

Date: _____

Residence: 36 Royal Crest Drive #4, Marlborough, MA

Citizenship: U.S.

Post Office Address: same

☒ Additional inventors are being named separately numbered sheets attached hereto.

Full name of second joint inventor (given name, family name): Thomas D. Bannister

Inventor's signature: _____

Date: _____

Residence: 112 Green Street, Northborough, MA

Citizenship: U.S.

Post Office Address: _____

Full name of third joint inventor (given name, family name): Gregory D. Cuny

Inventor's signature: _____

Date: _____

Residence: 373 Highland Avenue, Apt. 304, Somerville, MA 02144

Citizenship: U.S.

Post Office Address: _____

Full name of fourth joint inventor (given name, family name): James R. Hauske

Inventor's signature: _____

Date: _____

Residence: 41 Lowell Road, Concord, MA

Citizenship: U.S.

Post Office Address: same

Full name of fifth joint inventor (given name, family name): Michelle L.R. Heffernan

Inventor's signature: _____

Date: _____

Residence: 20 Oriental Street, Worcester, MA 01605

Citizenship: U.S.

Post Office Address: same

Full name of sixth joint inventor (given name, family name): Michael Z. Hoemann

Inventor's signature: _____

Date: _____

Residence: 23 Royal Crest Drive, Apt. #3, Marlborough, MA 01752

Citizenship: U.S.

Post Office Address: same

Full name of seventh joint inventor (given name, family name): Donald W. Kessler

Inventor's signature: _____

Date: _____

Residence: 53 Throne Hill Road, Groton, MA 01450

Citizenship: U.S.

Post Office Address: same

Full name of eighth joint inventor (given name, family name): Liming Shao

Inventor's signature: _____

Date: _____

Residence: 158 South Great Road, Lincoln, MA

Citizenship: People's Republic of China

Post Office Address: same

Full name of ninth joint inventor (given name, family name): Xinhe Wu

Inventor's signature: _____

Date: _____

Residence: 5 Aspen Road, Shrewsbury, MA 01565

Citizenship: People's Republic of China

Post Office Address: same

Full name of tenth joint inventor (given name, family name): Roger L. Xie

Inventor's signature: _____

Date: 01-24-2002

Residence: 13 Stillman Circle, Natick, MA 01760

Citizenship: People's Republic of China

Post Office Address: same